As a below named inventor, I hereby declare that:  My residence, post office address and citizenship are as stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) the subject matter which is claimed and for which a patent is sought on the invention entitled:  SYSTEMS AND METHODS FOR GENERATING AND MODULATING ILLUMINATION CONDITIONS  the specification of which (check one)  is attached hereto.  was filed on November 20, 2001 as United States Application Number or PCT International Application Number 09/716,819  and was amended on
Ibelieve I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) the subject matter which is claimed and for which a patent is sought on the invention entitled:    SYSTEMS AND METHODS FOR GENERATING AND MODULATING ILLUMINATION CONDITIONS
the subject matter which is claimed and for which a patent is sought on the invention entitled:  SYSTEMS AND METHODS FOR GENERATING AND MODULATING ILLUMINATION CONDITIONS  the specification of which (check one)    is attached hereto.   is attached hereto.   is attached hereto.   if application Number or PCT International Application Number 09/716,819   if applicable.    I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.  I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.    Priority Claimed   Yes   No (Number)   (Country)   (Day/Month/Year Filed)   Yes   No (Number)   (Country)   (Day/Month/Year Filed)   Yes   No (Number)   (Country)   (Day/Month/Year Filed)   Yes   No (Ol/166,53)   (Replication Number)   (Filing Date)   (Filing Date)
the specification of which (check one)    Is attached hereto.   was filed on November 20, 2001 as United States Application Number or PCT International Application Number 99/716,819   mad was amended on
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I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate list below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.  Prior Foreign Application(s)  Priority Claimed  (Number)  (Country)  (Day/Month/Year Filed)  I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.  60/166.533  (Application Number)  (Filing Date)  May 2, 2000  (Application Number)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of e of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United Sta Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.  Prior Foreign Application(s)  Priority Claimed  (Number)  (Country)  (Day/Month/Year Filed)  I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.  Movember 18, 1999  (Application Number)  (Filing Date)  (Application Number)  (Filing Date)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of expectations of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 120 of any United States application in Title 37, Code of Federal Regulations, § 1.56
(Number) (Country) (Day/Month/Year Filed)  [Yes] No (Number) (Country) (Day/Month/Year Filed)  [Number] (Country) (Day/Month/Year Filed)  [Number] (Number) (Country) (Day/Month/Year Filed)  [November 18, 1999 60/235,678 September 27, 2000 (Application Number) (Filing Date)  [Oncolor of the Claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United State Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
(Number) (Country) (Day/Month/Year Filed)  (Number) (Country) (Day/Month/Year Filed)  I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.  60/166,533 November 18, 1999 60/235,678 September 27, 2000 (Application Number) (Filing Date)  60/201,140 May 2, 2000 (Application Number) (Filing Date)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of eof the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United Sta Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
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(Number) (Country) (Day/Month/Year Filed)  I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.  60/166,533 November 18, 1999 60/235,678 September 27, 2000 (Application Number) (Filing Date)  60/201,140 May 2, 2000 (Application Number) (Filing Date)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of erof the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
60/166,533 November 18, 1999 60/235,678 September 27, 2000 (Application Number) (Filing Date)  60/201,140 May 2, 2000 (Application Number) (Filing Date)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of eof the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
(Application Number) (Filing Date) (Application Number) (Filing Date)  60/201,140 May 2, 2000 (Application Number) (Filing Date)  I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of error of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56
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which became available between the filing date of the prior application and the national or PCT international filing date of this application.
(Application Number) (Filing Date) (Status: patented, pending, abandoned)
(Application Number) (Filing Date) (Status: patented, pending, abandoned)
I hereby appoint Beth E. Arnold, Reg. No. 35,430; Isabelle Clauss, Reg. No. P-47,326; Kirk A. Damman, Reg. No. 42,461; Stephen B. Deutsch, Reg. No. 46,663; Jason Gish, Reg. No. 42,581; Dana Gordon, Reg. No. 44,719; Robert A. Greenberg, Reg. No. 44,133; Jennifer K. Holmes, Reg. No 46,778; David Lane, Reg. No. 39,261; W. Hugo Liepmann, Reg. No. 20,407; Jim Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. No. 39,329; John Quisel, Reg. No. P-47,874; Philip C. Swain, Reg. No. 32,376; Kingsley L. Taft, Reg. No. 43,946; Anita Varma, Reg. No. 43,221; Sharon W. Reg. No. 47,172; and John L. Welch, Reg. No. 28,129 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
Address all telephone calls to Kirk A. Damman at telephone number (617) 832-1216.
Address all correspondence to: Customer ID No: 25181
Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be to and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Full name of sole or first inventor (given name, family name): Alfred D. Ducharme
Inventor's signature: Date: 4/1/6/ Residence: 27 Patrick Road, Tewksbury, MA 01876 Citizenship: United States
Post Office Address: Same as above

Full-name second joint inventor (given name, family name): Frederick M. Morgan		
Inventor's signature:	Date: 4/1/2001	
Residence: 157 Butler Road, Quincy, MA 02168	Citizenship: United States	
Post Office Address: Same as above		
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Full name of third joint (nyentor (gives name, family name): Ihor A. Lys	- 4/1/201	
Inventor's signature: \\ \( \text{UOTUALISM} \)	Date:	
Residence: 5-Hull Street, Apt. 6, Boston, MA 02113 476 Beacon St. April Boston	MA GRUS Citizenship: <u>United States</u>	
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·		
Full name of fourth joint inventor / divergentitle fatherly name): Kevin J. Dowling		
Full name of fourth joint inventor (given partie, fartily name): Kevin J. Dowling	Date:	
Inventor's signature:	Date: Citizenship: United States	
Inventor's signature:  Residence: 23 Village View Road, Westford, MA 01886	Date: Citizenship: <u>United States</u>	
Inventor's signature:		
Inventor's signature:  Residence: 23 Village View Road, Westford, MA 01886		
Inventor's signature:  Residence: 23 Village View Road, Westford, MA 01886  Post Office Address: Same as above		
Inventor's signature:  Residence: 23 Village View Road, Westford, MA 01886  Post Office Address: Same as above  Full name of fifth joint inventor (given name, family name): George G. Mueller	Citizenship: United States	
Inventor's signature:  Residence: 23 Village View Road, Westford, MA 01886  Post Office Address: Same as above  Full name of fifth joint inventor (given name, family name): George G. Mueller  Inventor's signature:	Citizenship: United States  Date: 4/1/2001	
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